PTO/S8/08A (08-03) Approved for use through 07/31/2006. OMB 0851-0031

Under the Peperwork	Reduction Act of	1895, no persons are requir	U.S. Patent and Trade ad to respond to a pollection of Informa	mark Office: U.S. DEPARTMENT OF COMMERCE
Substitute for form 1449/PTO		Co	mplete if Known	
	• • • • • • • • • • • • • • • • • • •		Application Number	
INFORM	INFORMATION DISCLOSURE			2/28/2005
			First Named Inventor	David del Val
		APPLICANT	Art Unit	
(Use as many sheets as necassary)			Examiner Name	
Sheet 1	_01	4	Attorney Docket Number	MS1-818USC2

PLL

				r documents				
Examiner Initials*	No.1	Cite No.1	C120.	No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, When Relevant Passages or Relevan
		Number-Kind Code ² (Florance)			Figures Appear			
M		^{US-} 5,202,899	04-13-1993	Walsh				
W		^{US-} 5,349,649	09-20-1994	lijima				
w		US- 5,442,389	08-15-1995	Blahut et al.	1 .			
		-US- 5,999,979	12-7-1999	Vellanki et al.				
in		^{US-} 4,931,950	06-05-1990	Isle et al.				
. 1		^{US-} 5,119,474	06-02-1992	Beitel et al.				
		us-5,274,758	12-28-1993	Beitel et al.				
		US-5,341,474	11-23-1994	Gelman et al.				
		^{US-} 5,414,455	05-09-1995	Hooper et al.				
		US- 5,455,910	10-03-1995	Johnson et al.				
		^{US-} 5,533,021	06-02-1996	Brandstad et al.				
T		^{US-} 5,537,408	07-16-1996	Brandstad et al.				
\top		^{US-} 5, 62 3,690	04-22-1997	Palmer et al.				
1		US- 5,721,827	02-24-1998	Logan et al.				
		US- 5,732,219	03-24-1998	Blumer et al.				
7		^{U8-} 5,754,772	05-19-1998	Leaf				
7		^{US-} 5,793,966	08-11-1998	Amstein et al.				
		US-5,796,393	08-18-1998	MacNaughton et al.				
M		^{US-} 5,796,566	08-18-1998	Sharma et al.				

Examinar Initials*	Cito No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Т
		Country Code ⁹ "Number * "Kind Code ⁹ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	
W		EP 0 605 115 A2	06-12-1993	AT&T Corp.		_
· 1		EP 0 653 884 A1	11-17-1993	Bell Telephone		
		EP 0 676 898 A1	03-20-1995	IBM Corp.		Т
de		EP 0 746 158 A2	05-14-1996			
						Γ
						Т

Examiner Signature	 VI Kesse	-	Date Considered	4-4-67	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'S Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 'For Lapanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbots as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Trenslation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an experication. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, propering, and submitting the completed application form to the USPTO. Time will very depending upon the individual case. Any comments on the emount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Officer, P.O. Box 1450, Abstandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Abstandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2008, OMB 0651-0031 U.S. Patent and Trade mark Officer U.S. DEPARTMENT OF COMMERC

	Substitute for form 1449/PTO		Co	mplete if Known
			Application Number	
	INFORMATION DISCLOSURE		Filing Date	2/28/2005
		· · · - · · · ·	i ruki Nameo mventor	David del Val
		NT BY APPLICANT	· Art Unit	
(Lise os many sheets as nocassary)		Examiner Name		
Sh	set 2	of 4	Attorney Docket Number	M\$1-818USC2

		T		r DOCUMENT8	
Examiner Initials*	No.1	Document Number	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Peges, Columns, Lines, When Relevant Passages or Relevan Figures Appear
$\overline{\mathcal{M}}$	 	Number-Kind Code ^{3 present} US- 5,515,098	05-07-1996	Carles	1 gardy reposit
<u> </u>					
		US- 5,717,854	02-10-19 9 8	Egawa et al.	
		us- 5,740,549	04-14-1998	Reilly et al.	
		^{US-} 5,754,939	05-19-1998	Herz et al.	
		^{US-} 5,848,396	12-08-1998	Gerace	
		^{US-} 5,864,823	01-26-1999	Levitan	
		^{US-} 5,936,945	08-10-1999	Shibata et al.	
		^{US-} 5,956,488	09-21-1999	Suzuki	
		^{US-} 5,978,577	11-02-1999	Rierden et al.	
		US- 5,982,459	11-09-1999	Fandrianto et al.	
		^{U\$-} 6,002,394	12-14-1999	Scheim et al.	
		^{US-} 6,006,241	12-21-1999	Pumaveja et al.	
		^{US-} 6,006,257	12-21-1999	Slezak	
		us- 6,014,701	01-11-2000	Chaddha	
		US- 6,029,045	02-22-2000	Picco et al.	
\Box		US- 6,029,195	02-22-2000	Herz	
T		^{US-} 6,122,658	09-19-2000	Chaddha	†
		^{US-} Re. 35,158	02-20-1996	Sugiyama	
1/10		^{U\$-} 6,275,497	08-14-2001	Varma et al.	† · · · · · · · · · · · · · · · · · · ·

		FÖREIGN	PATENT DOCU	MENTS		
Examiner Inhista	3 0	Poreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ³ (if Instrum)	MM-DD-YYYY		Or Relevant Figures Appear	٦٠
				-		
						Г
						\Box

Examiner	VIKacth	 Date	
Signature	1 205200	Considered	4.421
	, -	Outlanderen	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the sensit number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. *Applicant is to place a check mark here if English language the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Translation is attached.

Transition is entered.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Tims will vary depending upon the individual case. Any comments on the emount of time you require to complete this form analyze suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tradament Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND.

The commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Hyper panel assistance in completing the form cell 1-200-276-0 1400 and solder earlies."

if you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTC/SB/08A (08-03) Approved for use through 07/31/2008, OMB 0551-0031

Substitute for form	1449/PTO	Co	Complete if Known		
		Application Number			
INFORM	INFORMATION DISCLOSURE		2/28/2005		
		i First Named Unamor	David del Val		
	ENT BY APPLICANT	Art Unit			
(List as many shouts as necessary)		Examiner Name			
Sheet 3	of 4	Attorney Docket Number	MS1-818USC2		

PLL

Examiner Initials*	Cito No.1	Document Number Number-Kind Code ^{2 (Finore)}	Publication Date MM-0D-YYYY	Name of Patentee or Applicant of Citod Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
w		US- 5,689,568	11-18-1997	Nguyen	
1		^{US-} 6,275,869	08-14-2001	Sieffert et al.	
		^{US-} 6,611,862	11-26-2003	Reisman	
		^{US-} 5,966.531	10-12-1999	Skeen et al.	
		US- 5,706,434	01-06-1998	Kremen et al.	
14		^{US-} 6,208,952	03-27-2001	Goertzel et al.	1
		US-		1	
		US-			1
		US-			
		US-			
		US			
		US-			
		US-			
		US-			
		U\$-			
		US-	 		· · · · · · · · · · · · · · · · · · ·
- 		U\$-	 		_
+		US-	+		
		US-	 		

		FORE	GN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	gn Patent Document Publication		Pages, Columns, Lines, Where Refevent Passages	П
		Country Code ³ "Number ⁴ "Kind Code ⁵ (# lonows)	MM-DD-YYYY		Or Relevant Figures Appear	₩
	—					
						L
	 					
					·	ᆫ
			i	•	I .	i

Examiner			
Signature	VI Fostelle	Date Considered	4-4-05
THE PERSON NAMED IN			, , -

*EXAMINER: britist if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codas of USPTO Patent Documents at www.uspto.gov or MPEP 991.64. Senter Office that issued the document, by the two-letter code (WPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to precess) an application. Comfidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gethering, preparing, and automitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form analor suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

If you need essistance in completing the form, cell 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/5B/088 (08-03) Approved for use through 07/31/2008, OMB 0861-0031

Consiste	der the Paperwork Reduction Act of 1985, no persons a to for form 1448/PTO			Complete if Known		
Sundania id idili 14431 10				Application Number		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Uso as many shoets as necessary)				Filing Date	2/28/2005	
				First Named Inventor	David del Val	
				Art Unit		
				Examiner Name	<u> </u>	
Sheet 4	1	σf	4	Attorney Docket Number	MS1-818USC2	

PLL

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Wh		CHEN, H.J. et al., "A Scalable Video-on-Demand Service for the Provision of VCR-Like Functions", IEEE Proceedings of the International Conference on Multimedia Computing and Systems Washington D.C. 65-72 (May 15-18, 1995)	
		·	
			
	,		
			ie.

Examiner			
cxammer	1. 1. //	l Date	
Signature	Vi Bordoli		A U ~ 4 ~ OT
Olgitalaio		Considered	1 AD 4-7-91
"EYAMINED: I	itial if enformed associated the state of th		

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

[&]quot;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw time through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English tanguage Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a banefit by the public which is to fife (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete department, preparing, preparing, and submitting the completed application form to the USPTO. Time way vary departing upon the Individual case. Any comments on the amount of they you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: